



**California
Public Utilities
Commission**



STATE of CALIFORNIA Wireline Broadband Deployment

Maximum Advertised Speeds

As of December 31, 2017

County	All Households (CA DOF 1/1/2018)	Served Households (Speeds are at least 6 Mbps down AND 1 Mbps up)		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service ²)	
		Number	Percent	Number	Percent	Number	Percent
California	13,113,840	12,564,023	95.8 %	150,553	1.2 %	399,264	3.0 %
Alameda	577,123	567,532	98.3 %	2,455	0.4 %	7,136	1.2 %
Alpine	477	341	71.5 %	28	5.9 %	108	22.6 %
Amador	14,685	12,357	84.1 %	826	5.6 %	1,502	10.2 %
Butte	90,962	81,264	89.3 %	1,600	1.8 %	8,098	8.9 %
Calaveras	18,290	14,350	78.5 %	850	4.6 %	3,090	16.9 %
Colusa	7,311	6,367	87.1 %	56	0.8 %	888	12.1 %
Contra Costa	392,185	387,929	98.9 %	1,160	0.3 %	3,096	0.8 %
Del Norte	9,743	8,681	89.1 %	10	0.1 %	1,052	10.8 %
El Dorado	74,265	57,481	77.4 %	3,416	4.6 %	13,368	18.0 %
Fresno	308,269	280,852	91.1 %	12,091	3.9 %	15,326	5.0 %
Glenn	10,098	6,214	61.5 %	1,577	15.6 %	2,307	22.8 %
Humboldt	56,939	47,308	83.1 %	1,439	2.5 %	8,192	14.4 %
Imperial	50,091	43,433	86.7 %	2,932	5.9 %	3,726	7.4 %
Inyo	8,094	7,098	87.7 %	47	0.6 %	949	11.7 %
Kern	270,224	254,757	94.3 %	2,046	0.8 %	13,421	5.0 %
Kings	43,877	36,368	82.9 %	3,292	7.5 %	4,217	9.6 %
Lake	24,594	18,432	74.9 %	3,215	13.1 %	2,947	12.0 %
Lassen	9,631	8,513	88.4 %	138	1.4 %	980	10.2 %
Los Angeles	3,338,658	3,303,145	98.9 %	6,869	0.2 %	28,644	0.9 %
Madera	45,217	40,481	89.5 %	560	1.2 %	4,176	9.2 %
Marin	104,591	102,127	97.6 %	768	0.7 %	1,696	1.6 %
Mariposa	7,799	5,661	72.6 %	514	6.6 %	1,624	20.8 %
Mendocino	35,317	23,874	67.6 %	1,563	4.4 %	9,880	28.0 %
Merced	80,044	69,040	86.3 %	3,636	4.5 %	7,368	9.2 %
Modoc	3,859	2,599	67.3 %	59	1.5 %	1,201	31.1 %
Mono	5,647	4,512	79.9 %	42	0.7 %	1,093	19.4 %
Monterey	126,339	109,136	86.4 %	10,064	8.0 %	7,139	5.7 %
Napa	49,281	45,865	93.1 %	943	1.9 %	2,473	5.0 %

Sources: Broadband deployment data is collected from Internet Service Providers and validated by the California Public Utilities Commission. The FCC defines broadband as Internet access services with downstream or upstream speeds greater than 200 Kbps in at least one direction. Such service is considered deployed if an ISP can provision new requests for service within 10 business days. Speeds of at least 6 Mbps downstream AND 1 Mbps upstream are considered served for purposes of the California Advanced Services Fund Infrastructure Grant Program.

Household data is based on the California Department of Finance, January 1, 2018 estimate.

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		Number	Percent	Number	Percent	Number	Percent
Nevada	41,647	28,956	69.5 %	5,100	12.2 %	7,591	18.2 %
Orange	1,037,173	1,004,949	96.9 %	8,071	0.8 %	24,153	2.3 %
Placer	144,074	129,935	90.2 %	5,066	3.5 %	9,073	6.3 %
Plumas	8,570	4,647	54.2 %	84	1.0 %	3,839	44.8 %
Riverside	729,920	705,995	96.7 %	2,282	0.3 %	21,643	3.0 %
Sacramento	537,056	525,159	97.8 %	5,083	0.9 %	6,814	1.3 %
San Benito	17,830	14,925	83.7 %	691	3.9 %	2,214	12.4 %
San Bernardino	644,247	622,086	96.6 %	3,926	0.6 %	18,235	2.8 %
San Diego	1,139,651	1,096,398	96.2 %	8,323	0.7 %	34,930	3.1 %
San Francisco	368,186	366,693	99.6 %	844	0.2 %	649	0.2 %
San Joaquin	228,200	213,626	93.6 %	3,789	1.7 %	10,785	4.7 %
San Luis Obispo	107,256	94,146	87.8 %	3,200	3.0 %	9,910	9.2 %
San Mateo	265,011	262,692	99.1 %	785	0.3 %	1,534	0.6 %
Santa Barbara	148,865	145,933	98.0 %	401	0.3 %	2,531	1.7 %
Santa Clara	642,093	625,406	97.4 %	4,844	0.8 %	11,843	1.8 %
Santa Cruz	96,860	92,893	95.9 %	645	0.7 %	3,322	3.4 %
Shasta	72,331	61,249	84.7 %	4,622	6.4 %	6,460	8.9 %
Sierra	1,394	0	0.0 %	160	11.5 %	1,234	88.5 %
Siskiyou	19,369	14,317	73.9 %	1,190	6.1 %	3,862	19.9 %
Solano	148,678	143,374	96.4 %	1,142	0.8 %	4,162	2.8 %
Sonoma	186,676	179,158	96.0 %	1,388	0.7 %	6,130	3.3 %
Stanislaus	169,032	159,275	94.2 %	2,990	1.8 %	6,767	4.0 %
Sutter	32,209	29,270	90.9 %	1,169	3.6 %	1,770	5.5 %
Tehama	24,647	12,839	52.1 %	4,251	17.2 %	7,557	30.7 %
Trinity	5,994	1,627	27.1 %	315	5.3 %	4,052	67.6 %
Tulare	137,814	112,255	81.5 %	10,810	7.8 %	14,749	10.7 %
Tuolumne	22,189	15,439	69.6 %	1,348	6.1 %	5,402	24.3 %
Ventura	273,672	266,099	97.2 %	2,204	0.8 %	5,369	2.0 %
Yolo	73,629	68,944	93.6 %	1,801	2.4 %	2,884	3.9 %
Yuba	25,957	20,021	77.1 %	1,833	7.1 %	4,103	15.8 %

Sources: Broadband deployment data is collected from Internet Service Providers and validated by the California Public Utilities Commission. The FCC defines broadband as Internet access services with downstream or upstream speeds greater than 200 Kbps in at least one direction. Such service is considered deployed if an ISP can provision new requests for service within 10 business days. Speeds of at least 6 Mbps downstream AND 1 Mbps upstream are considered served for purposes of the California Advanced Services Fund Infrastructure Grant Program. Household data is based on the California Department of Finance, January 1, 2018 estimate.

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Consortium	All Households (CA DOF 1/1/2018)	Served Households (Speeds are at least 6 Mbps down AND 1 Mbps up)		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service ²)	
		Number	Percent	Number	Percent	Number	Percent
California	13,113,840	12,564,023	95.8 %	150,553	1.2 %	399,264	3.0 %
Bay Area (no consortium: SF, San Mateo and Santa Clara)	1,275,290	1,254,791	98.4 %	6,473	0.5 %	14,026	1.1 %
Broadband Consortium of the Pacific Coast	529,793	506,178	95.5 %	5,805	1.1 %	17,810	3.4 %
Central Coast Broadband Consortium	241,029	216,954	90.0 %	11,400	4.7 %	12,675	5.3 %
Central Sierra Connect Consortium	63,063	47,898	76.0 %	3,545	5.6 %	11,620	18.4 %
Connected Capital Area BB Consortium	668,851	643,394	96.2 %	9,886	1.5 %	15,571	2.3 %
East Bay Broadband Consortium	1,117,986	1,098,835	98.3 %	4,757	0.4 %	14,394	1.3 %
Eastern Sierra Connect Regional Broadband Consortium	48,648	41,417	85.1 %	699	1.4 %	6,532	13.4 %
Gold Country BB Consortium	261,757	216,622	82.8 %	13,763	5.3 %	31,372	12.0 %
• Tahoe Basin Project ³	18,725	17,407	93.0 %	773	4.1 %	545	2.9 %
Inyo / Mono Broadband Consortium ⁴	13,741	11,610	84.5 %	89	0.6 %	2,042	14.9 %
Inland Empire Regional BB Consortium	1,374,167	1,328,081	96.6 %	6,208	0.5 %	39,878	2.9 %
Los Angeles County Regional Broadband Consortium	3,338,658	3,303,145	98.9 %	6,869	0.2 %	28,644	0.9 %
North Bay / North Coast Broadband Consortium	375,865	351,024	93.4 %	4,662	1.2 %	20,179	5.4 %
Northeast California Connect Consortium	229,369	185,428	80.8 %	11,944	5.2 %	31,997	14.0 %
Orange County (no consortium)	1,037,173	1,004,949	96.9 %	8,071	0.8 %	24,153	2.3 %
Redwood Coast Connect Consortium	72,676	57,616	79.3 %	1,764	2.4 %	13,296	18.3 %
San Joaquin Valley Regional Broadband Consortium	1,234,029	1,125,237	91.2 %	38,515	3.1 %	70,277	5.7 %
Southern Border Broadband Consortium	1,189,742	1,139,831	95.8 %	11,255	0.9 %	38,656	3.2 %
Upstate California Connect Consortium	42,003	31,013	73.8 %	4,848	11.5 %	6,142	14.6 %

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²Dial-up only service is included in the "No Service" category.

³A project of the Gold Country BB Consortium. Not included in the California total. T-17550.

⁴Under Resolution T-17550 - ESCRBC maintains a three-county region even though responsibility for broadband development in Inyo and Mono counties is currently being managed by a sub-regional consortium, the Inyo Mono Broadband Consortium.



**California
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**STATE of CALIFORNIA
Wireline + Fixed Wireless Broadband
Deployment**

Maximum Advertised Speeds

As of December 31, 2017

County	All Households (CA DOF 1/1/2018)	Served Households (Speeds are at least 6 Mbps down AND 1 Mbps up)		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service ²)	
		Number	Percent	Number	Percent	Number	Percent
California	13,113,840	12,747,470	97.2 %	116,237	0.9 %	250,133	1.9 %
Alameda	577,123	567,664	98.4 %	2,399	0.4 %	7,060	1.2 %
Alpine	477	341	71.5 %	28	5.9 %	108	22.6 %
Amador	14,685	12,896	87.8 %	1,311	8.9 %	478	3.3 %
Butte	90,962	87,740	96.5 %	720	0.8 %	2,502	2.8 %
Calaveras	18,290	16,695	91.3 %	323	1.8 %	1,272	7.0 %
Colusa	7,311	6,448	88.2 %	77	1.1 %	786	10.8 %
Contra Costa	392,185	387,931	98.9 %	1,160	0.3 %	3,094	0.8 %
Del Norte	9,743	8,681	89.1 %	10	0.1 %	1,052	10.8 %
El Dorado	74,265	70,227	94.6 %	1,292	1.7 %	2,746	3.7 %
Fresno	308,269	291,177	94.5 %	9,537	3.1 %	7,555	2.5 %
Glenn	10,098	8,271	81.9 %	657	6.5 %	1,170	11.6 %
Humboldt	56,939	52,644	92.5 %	883	1.6 %	3,412	6.0 %
Imperial	50,091	43,433	86.7 %	4,244	8.5 %	2,414	4.8 %
Inyo	8,094	7,195	88.9 %	36	0.4 %	863	10.7 %
Kern	270,224	258,498	95.7 %	1,796	0.7 %	9,930	3.7 %
Kings	43,877	38,398	87.5 %	2,938	6.7 %	2,541	5.8 %
Lake	24,594	19,569	79.6 %	3,007	12.2 %	2,018	8.2 %
Lassen	9,631	8,745	90.8 %	84	0.9 %	802	8.3 %
Los Angeles	3,338,658	3,310,226	99.1 %	5,609	0.2 %	22,823	0.7 %
Madera	45,217	42,617	94.2 %	373	0.8 %	2,227	4.9 %
Marin	104,591	102,248	97.8 %	761	0.7 %	1,582	1.5 %
Mariposa	7,799	6,746	86.5 %	159	2.0 %	894	11.5 %
Mendocino	35,317	25,853	73.2 %	1,335	3.8 %	8,129	23.0 %
Merced	80,044	73,751	92.1 %	3,163	4.0 %	3,130	3.9 %
Modoc	3,859	2,944	76.3 %	65	1.7 %	850	22.0 %
Mono	5,647	4,551	80.6 %	42	0.7 %	1,054	18.7 %
Monterey	126,339	115,210	91.2 %	7,114	5.6 %	4,015	3.2 %
Napa	49,281	47,992	97.4 %	297	0.6 %	992	2.0 %

Sources: Broadband deployment data is collected from Internet Service Providers and validated by the California Public Utilities Commission. The FCC defines broadband as Internet access services with downstream or upstream speeds greater than 200 Kbps in at least one direction. Such service is considered deployed if an ISP can provision new requests for service within 10 business days. Speeds of at least 6 Mbps downstream AND 1 Mbps upstream are considered served for purposes of the California Advanced Services Fund Infrastructure Grant Program. Household data is based on the California Department of Finance, January 1, 2018 estimate.

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STATE of CALIFORNIA Wireline + Fixed Wireless Broadband Deployment

Maximum Advertised Speeds

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County	All Households (CA DOF 1/1/2018)	Served Households (Speeds are at least 6 Mbps down AND 1 Mbps up)		Unserved Households with Slow Service (Speeds less than 6 Mbps down OR 1 Mbps up)		Unserved Households with No Service (Speeds less than 200 Kbps in both directions, or no service ²)	
		Number	Percent	Number	Percent	Number	Percent
Nevada	41,647	39,966	96.0 %	578	1.4 %	1,103	2.6 %
Orange	1,037,173	1,005,096	96.9 %	7,925	0.8 %	24,152	2.3 %
Placer	144,074	139,443	96.8 %	2,478	1.7 %	2,153	1.5 %
Plumas	8,570	7,836	91.4 %	35	0.4 %	699	8.2 %
Riverside	729,920	713,869	97.8 %	1,780	0.2 %	14,271	2.0 %
Sacramento	537,056	527,122	98.2 %	3,869	0.7 %	6,065	1.1 %
San Benito	17,830	17,111	96.0 %	152	0.9 %	567	3.2 %
San Bernardino	644,247	624,916	97.0 %	6,435	1.0 %	12,896	2.0 %
San Diego	1,139,651	1,101,090	96.6 %	7,675	0.7 %	30,886	2.7 %
San Francisco	368,186	366,830	99.6 %	708	0.2 %	648	0.2 %
San Joaquin	228,200	222,143	97.3 %	1,644	0.7 %	4,413	1.9 %
San Luis Obispo	107,256	103,638	96.6 %	1,481	1.4 %	2,137	2.0 %
San Mateo	265,011	262,808	99.2 %	773	0.3 %	1,430	0.5 %
Santa Barbara	148,865	146,020	98.1 %	1,231	0.8 %	1,614	1.1 %
Santa Clara	642,093	626,901	97.6 %	4,306	0.7 %	10,886	1.7 %
Santa Cruz	96,860	93,462	96.5 %	613	0.6 %	2,785	2.9 %
Shasta	72,331	65,176	90.1 %	3,167	4.4 %	3,988	5.5 %
Sierra	1,394	660	47.3 %	206	14.8 %	528	37.9 %
Siskiyou	19,369	16,031	82.8 %	966	5.0 %	2,372	12.2 %
Solano	148,678	145,531	97.9 %	607	0.4 %	2,540	1.7 %
Sonoma	186,676	179,730	96.3 %	1,516	0.8 %	5,430	2.9 %
Stanislaus	169,032	164,763	97.5 %	1,624	1.0 %	2,645	1.6 %
Sutter	32,209	30,930	96.0 %	615	1.9 %	664	2.1 %
Tehama	24,647	19,035	77.2 %	2,914	11.8 %	2,698	10.9 %
Trinity	5,994	3,805	63.5 %	163	2.7 %	2,026	33.8 %
Tulare	137,814	123,502	89.6 %	7,995	5.8 %	6,317	4.6 %
Tuolumne	22,189	19,819	89.3 %	530	2.4 %	1,840	8.3 %
Ventura	273,672	266,817	97.5 %	1,812	0.7 %	5,043	1.8 %
Yolo	73,629	70,219	95.4 %	2,436	3.3 %	974	1.3 %
Yuba	25,957	24,510	94.4 %	583	2.2 %	864	3.3 %

Sources: Broadband deployment data is collected from Internet Service Providers and validated by the California Public Utilities Commission. The FCC defines broadband as Internet access services with downstream or upstream speeds greater than 200 Kbps in at least one direction. Such service is considered deployed if an ISP can provision new requests for service within 10 business days. Speeds of at least 6 Mbps downstream AND 1 Mbps upstream are considered served for purposes of the California Advanced Services Fund Infrastructure Grant Program. Household data is based on the California Department of Finance, January 1, 2018 estimate.

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		Number	Percent	Number	Percent	Number	Percent
California	13,113,840	12,747,470	97.2 %	116,237	0.9 %	250,133	1.9 %
Bay Area (no consortium: SF, San Mateo and Santa Clara)	1,275,290	1,256,539	98.5 %	5,787	0.5 %	12,964	1.0 %
Broadband Consortium of the Pacific Coast	529,793	516,475	97.5 %	4,524	0.9 %	8,794	1.7 %
Central Coast Broadband Consortium	241,029	225,783	93.7 %	7,879	3.3 %	7,367	3.1 %
Central Sierra Connect Consortium	63,063	56,247	89.2 %	2,330	3.7 %	4,486	7.1 %
Connected Capital Area BB Consortium	668,851	652,781	97.6 %	7,503	1.1 %	8,567	1.3 %
East Bay Broadband Consortium	1,117,986	1,101,126	98.5 %	4,166	0.4 %	12,694	1.1 %
Eastern Sierra Connect Regional Broadband Consortium	48,648	43,969	90.4 %	580	1.2 %	4,099	8.4 %
Gold Country BB Consortium	261,757	250,546	95.7 %	4,575	1.7 %	6,636	2.5 %
• Tahoe Basin Project ³	18,725	17,496	93.4 %	764	4.1 %	465	2.5 %
Inyo / Mono Broadband Consortium	13,741	11,746	85.5 %	78	0.6 %	1,917	14.0 %
Inland Empire Regional BB Consortium	1,374,167	1,338,785	97.4 %	8,215	0.6 %	27,167	2.0 %
Los Angeles County Regional Broadband Consortium	3,338,658	3,310,226	99.1 %	5,609	0.2 %	22,823	0.7 %
North Bay / North Coast Broadband Consortium	375,865	355,823	94.7 %	3,909	1.0 %	16,133	4.3 %
Northeast California Connect Consortium	229,369	207,507	90.5 %	7,951	3.5 %	13,911	6.1 %
Orange County (no consortium)	1,037,173	1,005,096	96.9 %	7,925	0.8 %	24,152	2.3 %
Redwood Coast Connect Consortium	72,676	65,130	89.6 %	1,056	1.5 %	6,490	8.9 %
San Joaquin Valley Regional Broadband Consortium	1,234,029	1,170,880	94.9 %	28,490	2.3 %	34,659	2.8 %
Southern Border Broadband Consortium	1,189,742	1,144,523	96.2 %	11,919	1.0 %	33,300	2.8 %
Upstate California Connect Consortium	42,003	34,288	81.6 %	3,741	8.9 %	3,974	9.5 %

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⁴Under Resolution T-17550 - ESCRBC maintains a three-county region even though responsibility for broadband development in Inyo and Mono counties is currently being managed by a sub-regional consortium, the Inyo Mono Broadband Consortium.